

Fig. 1

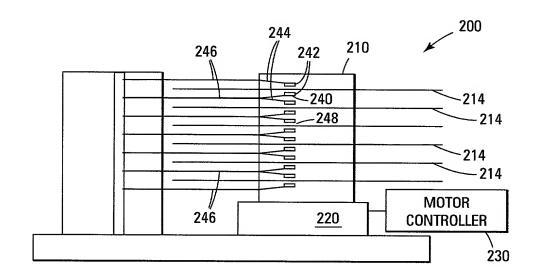
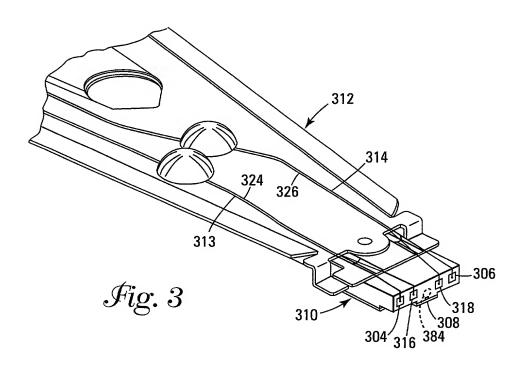
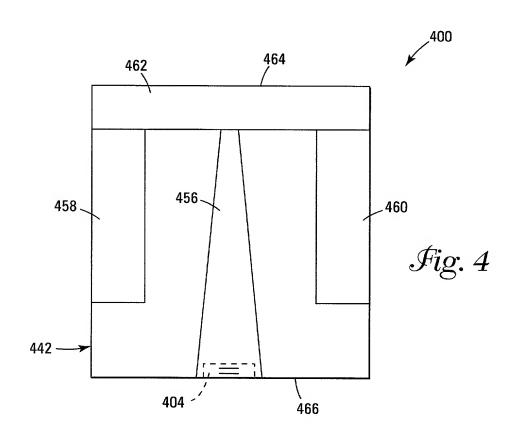
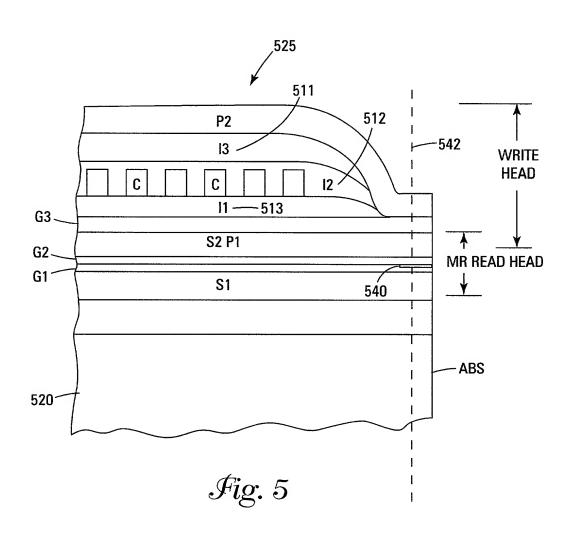


Fig. 2







5/11

600

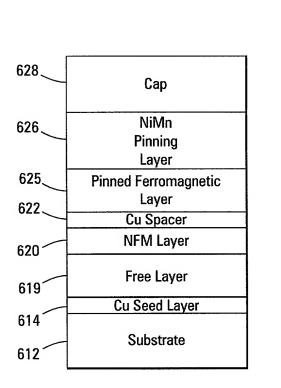
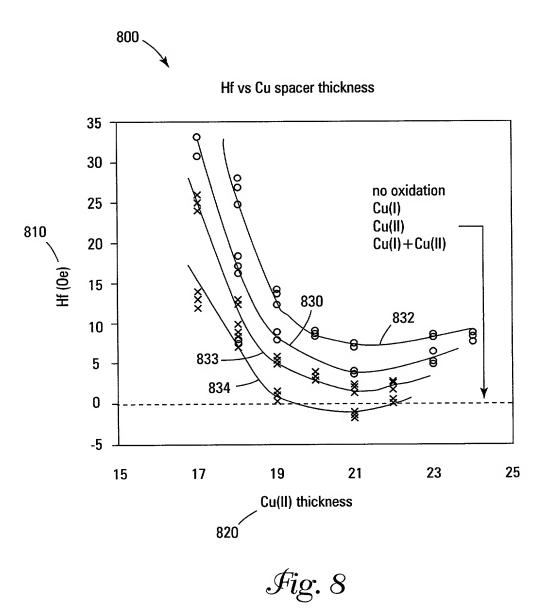


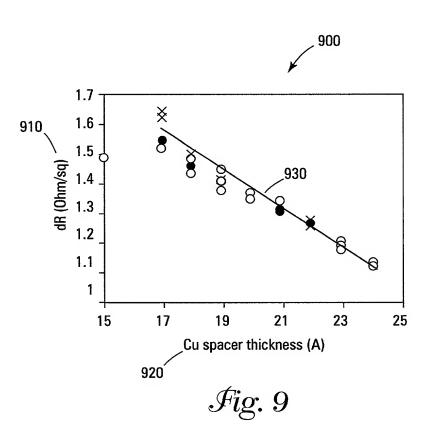
Fig. 6

6/11

	As-deposit	As-deposited free layer	Annealed free lay	Annealed free layer at 250°, 5 hrs
	λi	λb	$\lambda_{\mathbf{i}}$	γ_{P}
Without oxidation	6 × 10 ⁻⁵ Å	-3.2 × 10 ⁻⁶ Å	8 x 10 ⁻⁵ Å	-0.9 × 10 ⁻⁶ Å
With Cu seed and spacer oxidation	4 × 10 ⁻⁵ Å	-3.1 × 10 ⁻⁶ Å	4×10 ⁻⁵ Å	-1.5 x 10 ⁻⁵ Å

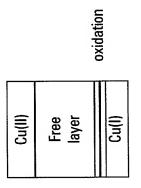
Fig. 7

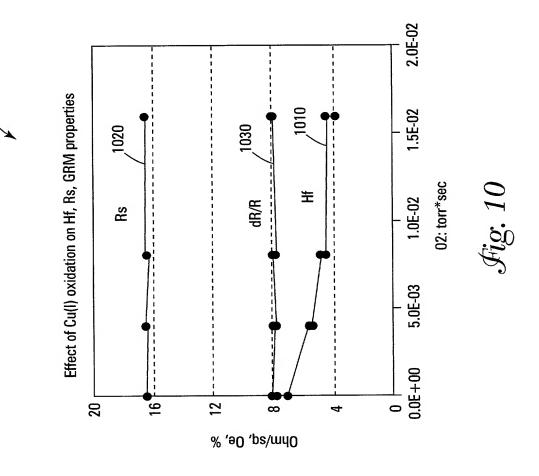




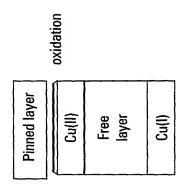
Inventor: Choe, G.

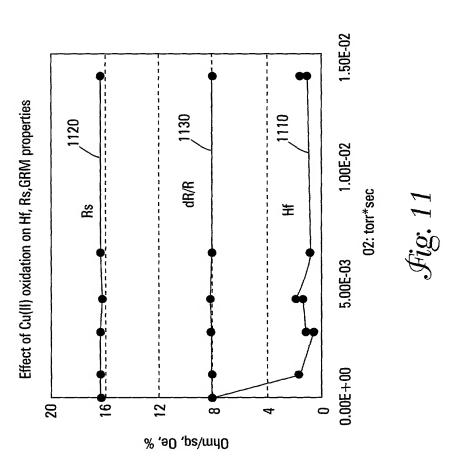
Title: A METHOD AND APPARATUS FOR PROVIDING PRECISE CONTROL OF MAGNETIC COUPLING
FIELD IN NiMn TOP SPIN VALVE HEADS AND AMPLITUDE ENHANCEMENT
Docket no.: SJ09-2001-0040US1 / 501.388US01 Serial Number 10/038,125





10/11





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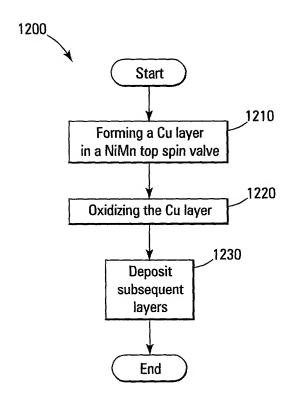


Fig. 12